



PTO/SB/08a/b (08-03)
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Complete if Known Substitute for form 1449A/B/PTO Application Number 10/005,217-Conf. #8598 INFORMATION DISCLOSURE December 5, 2001 Filing Date STATEMENT BY APPLICANT Peter Gaidarev First Named Inventor 3713 Art Unit (Use as many sheets as necessary) Examiner Name Not Yet Assigned Sheet 1 of 1 Attorney Docket Number 104704-0008

	U.S. PATENT DOCUMENTS													
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant									
Initials*	No.1	Number-Kind Code ² (if known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear									
72M	AA	US-5,758,328	05-26-1998	Giovannoli										
CM	AB	US-5,765,143	06-09-1998	Sheldon et al.										
<u>प्तरता</u>	AC	US-6,253,187-B1	06-26-2001	Fox DE	トロントロ									
3M	AD	US-6,397,197-B1	05-28-2002	Gindlesperger	OFIAM									
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	FOREIGN PATENT DOCUMENTS														
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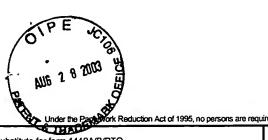
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	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²									
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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

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Application Number	10/005,217-Conf. #	8598
Filing Date	December 5, 2001	
First Named Inventor	Peter Gaidarev	RECE
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	U.S. PATENT DOCUMENTS												
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RIM	AA	US-5,974,396	10-26-1999	Anderson et al.									
RSM	AB	US-2001/0044766-A1	11-22-2001	Keyes									
RIM	AC	US-2001/0014868-A1	08-16-2001	Herz et al.									

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Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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	NON PATENT LITERATURE DOCUMENTS												
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²										
	CA	SAS/STAT User's Guide, Version 8 (SAS Publishing: 1999) pp. 1-129.											
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		U.S. PATENT PUBLICATIONS															
RJM	•	US-2	US-2001/0047293 11/2001 Waller et al.														
Lam		US-2	2002/0	00229	85				02/2002	Guidi	ce et al.						
Rim		US-2	2002/0	00291	76				03/2002	Carls	on et al.						
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Rom	"Special Feature: Alliances of Accenture: Accenture, Profitlogic team helps retailers enhance sales," <u>Businessworld</u> (Feb. 5, 2001).															
ROM		Technology Strategy, Inc., company marketing materials, copyright 1991, Technology Strategy, Inc.														
RJM		Technology Strategy, Inc., company marketing materials, copyright 1998, Technology Strategy, Inc.														
		"Technology Strategy, Inc. Names Jonathan Woo as Director of R&D," TSI Press Release, 07/15/1998 [retrieved 01/07/03], 1 pages, retrieved from: Google.com and archive.org.														
RJM RJM		"Wal-mart: Retailer of the Century: High-Tech Complements Human Touch," <u>Discount Store News</u> 10/11/1999 [retrieved 06/26/02], 3 pages, retrieved from: www.lexus.com.														
RJM		Wang, Qinan and Wu, Zhang, "Improving a supplier's quantity discount gain from many different buyers," <u>IIE</u> Transactions Vol. 32 (2000) 1071-1079.														
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